channel values(int);

process Producer {
    int data[n];
    for [i = 0 to n-1] {
        do some computation;
        synch_send values(data[i]);
    }
}

process Consumer {
    int results[n];
    for [i = 0 to n-1] {
        receive values(results[i]);
        do some computation;
    }
}

Producer/consumer example using synchronous message passing.

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